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Is there a PCMCIA Card in your Future?

BY GUY WHEELWRIGHT

What's smaller than an average matchbox, weighs less than two crumpled and can store the equivalent of 14,389 typed pages? The answer comes from Hewlett-Packard, which has produced one of the world's smallest hard disks. It will store 21.4 Megabytes of data and yet is only 2 inches long, 1.44 inches across and .4 inches high.

Known as the HP KeyDisk format, Storage Initiative (SI) is a group of the growing number of computer add-on products now that are only a little larger than the average credit card. These products are so small that they can be carried in your pocket, and they can be used in a variety of ways. They can be used to store data, to act as a backup device, or to act as a portable hard disk.

At last! It's a credit card size revolution in Los Angeles, for example, a wide range of credit card-sized add-ons for publishing and desktop publishing can be carried in your pocket. At last! It's a credit card size revolution in Los Angeles, for example, a wide range of credit card-sized add-ons for publishing and desktop publishing can be carried in your pocket. At last! It's a credit card size revolution in Los Angeles, for example, a wide range of credit card-sized add-ons for publishing and desktop publishing can be carried in your pocket.

The first of these credit card-sized add-ons is the HP KeyDisk format, Storage Initiative (SI) is a group of the growing number of computer add-on products now that are only a little larger than the average credit card. These products are so small that they can be carried in your pocket, and they can be used in a variety of ways. They can be used to store data, to act as a backup device, or to act as a portable hard disk.

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Product HP KeyDisk Development, Hewlett-Packard, San Jose, California. The HP KeyDisk format, Storage Initiative (SI) is a group of the growing number of computer add-on products now that are only a little larger than the average credit card. These products are so small that they can be carried in your pocket, and they can be used in a variety of ways. They can be used to store data, to act as a backup device, or to act as a portable hard disk.

PCMCIA was formed in 1989 as a non-profit trade association aimed at establishing a worldwide memory-card standard for the PC industry.

It is a fact that, in the world of the PC, the only way to get a new hard disk is to buy a new hard disk. This is a fact that, in the world of the PC, the only way to get a new hard disk is to buy a new hard disk. This is a fact that, in the world of the PC, the only way to get a new hard disk is to buy a new hard disk.

Microcomputer and memory chip manufacturers are also represented by IBM, Chips & Tech, and others. The HP KeyDisk format, Storage Initiative (SI) is a group of the growing number of computer add-on products now that are only a little larger than the average credit card. These products are so small that they can be carried in your pocket, and they can be used in a variety of ways. They can be used to store data, to act as a backup device, or to act as a portable hard disk.

Next came the company that produces IBM compatible BIOS products — the BIOS Group. The BIOS Group is a group of the growing number of computer add-on products now that are only a little larger than the average credit card. These products are so small that they can be carried in your pocket, and they can be used in a variety of ways. They can be used to store data, to act as a backup device, or to act as a portable hard disk.

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There are dozens of Storage, Traveling Software and MicroProducts. The company, founded in 1989, has a 100,000 square foot facility in San Jose, California. The HP KeyDisk format, Storage Initiative (SI) is a group of the growing number of computer add-on products now that are only a little larger than the average credit card. These products are so small that they can be carried in your pocket, and they can be used in a variety of ways. They can be used to store data, to act as a backup device, or to act as a portable hard disk.

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IBM'S FINANCIAL HEALTH AND THE AMIGA

IBM's recently announced staggering loss during the past fiscal year was sobering news and gives everyone pause to think. Losses of this magnitude affect all sectors of the economy, not just the computer industry. Unemployment is increased, pension plans which have increased in size since have lost value, public faith in the economy, at a very critical turning point, is again shaken. And, unfortunately, the public's faith in new stuff, has been shaken.

While this may appear to be just criticism to Amiga users, who have for years been virtually ignored by followers of the "Big Blue" and its clones, that's again! Surely there is no vulnerability in someone else's misfortune.

Fortunately for Amiga, Commodore in comparison to this, is able to anticipate and react to market trends and needs on a far quicker fashion. It is also a much leaner corporation. Beyond a point, size leads to board inefficiency, bureaucracy and lack of communication.

With the Amiga line of computers, Commodore is very much in touch with the market. They are delivering state-of-the-art computers at a remarkably competitive price. Moreover, Amiga's engineering development is second to none. All-in-all, Commodore is managing to run a healthy business.

This state of affairs is of course comforting to Amiga owners as well as prospective Amiga owners. They know that their platform is well supported and will continue to prosper. Also, Amiga's good health is of course not lost on all of the third party developers who prodigiously continue to increase their support of the Amiga with top quality software and hardware peripherals. And not to be forgotten, the Amiga's inherent architecture which allows easy upgradability of earlier models, maintains the value of installed machines.

Having commented on Amiga's health in comparison to this, it must still be remembered that future computer development relies to a large degree upon shared advances in technology.

Research by major corporations, universities and other sources form the foundation from which new technology evolves. Amiga's engineering group can only work with the tools which are first developed by physicists, chemists and mathematicians in their laboratories. This kind of research is funded by the collective demands of the computer industry.

The financial health of every major player in the computer industry is essential to maintain the massive strides that have been made in producing today's computers. For this reason, let us hope that we can get them all together as soon as possible. Down the road, Amiga owners will also benefit.

AMIGA AND TELECOMMUNICATIONS

Telecommunications can open up a whole new world of possibilities for the Amiga owner. With a modem, the Amiga owner can connect to a Bulletin Board System (BBS) through any telephone line. A BBS is a central meeting place for computer owners, and can be run by an individual, group, or company.

A BBS serves many needs, including the exchange of software, information and ideas.

For the new Amiga owner, telecommunikations can be a big help. Amiga bulletin boards are frequented by friendly Amiga owners willing to assist beginners in making the most out of their systems. Chances are that if you have a problem, someone has already been there and has a solution. Even advanced users can benefit from the exchange of knowledge.

A common problem for many new Amiga owners is a lack of software. With a modem and a telecommunications program, you have access to a large variety of software, ranging from graphics to music and business applications to entertainment.

There are two general categories of software available on bulletin boards. First are public domain (PD) programs, which are available free of charge. Second are shareware programs which are a low cost form of commercial software which you can try. If you like the program then you are expected to send the author a fee for their work in producing the program.

This large base of software can go a long way towards making your Amiga more productive and more enjoyable to use.

When purchasing a modem, modem speed, defined as baud rate, is an important consideration. A 2400 baud modem can be purchased for just over \$100.00, while a 14400 baud modem can cost almost \$400.00. Does the higher speed justify the price?

Consider this to fill one standard Amiga floppy disk with software, using a 2400 baud modem would take over one hour. To fill that same disk using a 14400 baud modem would take only ten minutes. Most bulletin boards limit your "online" time to somewhere between thirty minutes to one hour. Under these time constraints, a 2400 baud modem can limit your access to the resources available on bulletin boards.

Once you have a modem, and have read the manual for your telecommunications program where do you find a bulletin board? You are holding an excellent source of information in your hands right now. At the back of every issue of *The Computer Paper* is a new Classified section. Any one of the listed bulletin boards can in turn provide you with a list of other boards.

Your local friendly Amiga dealer is of course also well equipped to assist you with any further questions that you may have.

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If others will be using the file, you can designate any office or "person." Private records can only be accessed when you are logged on with the name, password under which they were created. Your database can then contain a mixture of public and private records. Names of private records will not even be displayed in listings for other users.

You can run up "Categories" which generate additional fields, such as industry type, occupations, holders' income level, and other criteria against which you can search in clearly and search clients records. You can create one for numerous sophisticated or that is further, the unlimited number of file operators can be stacked in any desired order.

Being pre-programmed, the Maximizer saves you from having to learn complex database software and design a system to meet your needs.

Search

Maximizer was the first and reliable business database program. Name fields are contained in special searches and you can search for all records that meet multiple criteria to create reference lists of clients. You can also search by a variety of dates, financial statements or dates as Categories. Multifield searches enable you to search by period dates.

Print & Calendar

Prints in a variety of ways, the system can create a "Calendar" (on the left) in a range of dates. You can assign priorities to create lists or be handled in order of importance, and make printed lists from the "Index" view over Calendar (on the right). You can view your Calendar for a day, week, month or two months. A daily log page up to six Windows applications in view you in a month coming opportunities to your Calendar.

Maximize

The MAXIMIZE what you see is what you get, the software with many word processing features is included. It has search and replace, making checking with many and word changes is easy, and a list of whatever change you make, in Windows and your printer. You can choose to direct data to an address in a document. It means that you printer is installed, you can select what to do.

Printing and Filing

Set up a file in the file and you can deal the displayed window in Maximizer (in which it can be used). It means that you can use a search that will log the duration of the visit, then your search about the content of the file. If you have a file system with software, Maximizer can fix errors, even do a mail merge.

Maximize

Maximizer can record a series of keyboard and mouse steps that you can use to run again.

Dynamic Data Exchange

Maximizer supports the DDE (data link) to documents in Word for Windows, Word Perfect for Windows or Ami Pro for Windows.

User Manuals

Maximizer has Windows comes with a

Quick Reference Guide, which has some advice and how to solve problems. A free "Quick Start" manual shows how to set up the system with brief instructions for using the software. The "User Guide" provides detailed instructions, shown how to apply the features to your needs and how to avoid problems. Both manuals are well written, contain many screen illustrations and have indexes. Appendices in the User Guide has the programs and their functions and list. Support notes manager with explanations and recovery procedures. Assistance is well in a lot of easy-to-use 1-800-888-8888.

High reader for new documentation

Customer Support

With a phone for customers, the customer support person who answered our knowledge, helpful and courteous.

Summary

Being pre-programmed, the Maximizer saves you from having to learn complex database software and design a system to meet your needs. You just select features you need, the fields and linkages have already been set up for you. Maximizing capabilities of the Windows version is able

you to print or fax your mailings and do searches in the background while doing other Windows tasks. A LAN version is planned for release in early 1989.

Using Maximizer for Windows should give you a considerable advantage over any other using a general database and power records to manage business contacts.

Circle 10 Maximizer is a Windows-based word and data software and hardware also includes, operation and maintenance manuals for equipment and policy and procedure manuals. For sale in Montreal at (514) 255-8888.

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This is courtesy of The International Programme on the Status of Women (IPSW) 1994-1997. (Source: Ipsw.org.uk)

The Computer Figure has called out spherical reference markers. However, it doesn't do this before the camera is positioned.

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Low-cost Videoconferencing For Macs

SAN JOSE, CALIFORNIA (MR) — The ability to conduct different forms of communications over a single telephone line holds considerable potential for the business community. Along these lines, StarView Pro, which according to the company, allows users to simultaneously conduct their video, and discussion over a single standard telephone line.

Shipping to late January and priced at



\$4,499, StarView Pro allows Macintosh users to conduct video applications programs, such as PageMaker or Excel, and exchange data while at the same time engage in a video telephone call.

StarView Pro also has support special Protocol 96 in digital telephone service such as ISDN (integrated circuits digital network).

Contact: StarView Pro, 200-733-0447
StarView Technology Inc.

Safe & Sound Disk Analysis Software

SEATTLE, WASHINGTON (MR) — Grand Prix Software has announced Safe & Sound, a software program that compares any commercially available and hard drive data. 100 of the most common hard disk problems.

The company says that Safe & Sound is designed for users of Apple Computer's Macintosh computers who are unable to repair any hardware or software problems when using their own computers. Safe & Sound is Grand Prix's first product for the consumer and has a suggested retail price of \$49.95. "The tool, giving users the basic idea of computer operation using Mac, as well as Plus and Macintosh, demands a different type of software," said Chuck Rosenberg, Grand Prix president and CEO.

Contact: Grand Prix Software, 800-455-2660
800-455-4200

Imagica Offers Mac Floptical Drive, IBM Tape Drive

ROY UTAM (MR) — Imagica Corporation has announced a version of its Floptical Drive for Apple Computer's Macintosh series, a transportable Floptical drive for Mac computers, and a portable tape drive for IBM-compatible systems.

The 3.5-inch Mac external Floptical drive is an IBM-compatible drive, can hold 10 megabytes of data on a single disk. Imagica says the drive is compatible with the Mac Plus and later Macintosh computers and is immediately available. The company expects the drive price to be about \$295.

Imagica is also introducing a tape drive designed for the 3.5-inch IBM-compatible drive, called the IBM Floptical 156 Plus. The Floptical is a 156MB capacity external removable media drive which connects to the Mac via a SCSI cable. The new system can read and write data of 20, 30, 100 and 100MB and is downward-compatible with existing Floptical products. If Imagica had developed the drive will have a street price of about \$395.

Imagica Corporation, 800-777-4119

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Printing Computers Continued from page 21

Survey of Palmtop Computers

Name	Intel® Pentium® 486	ARM® 486	Screen 486	Palmtop Product PC 486
Processor	486	486	486	486
Memory	1 Mb	1 Mb	1 Mb	1 Mb
Storage	2 PCMCIA cards	1 PCMCIA card	45 Mbit/sec	2 PCMCIA cards
Price	\$1,200	\$1,200	\$1,200	\$1,200
Supplier	Intel	Intel	Intel	Intel
Expansion Ports	parallel and serial	Connectivity port	Parallel, serial, VGA	Parallel, serial
Built-in software *	Microsoft Works	Lotus 1-2-3, proprietary	DR DOS 4.0, proprietary	Proprietary

Name	Sharp PC-486	Manoova Computer	Proton Series 3	Goal (Palmtop)
Processor	486	486	486	486
Memory	1 Mb	486	486	486
Storage	2 PCMCIA cards	1 PCMCIA card	Two 3.5" disks	2x 3.5"
Price	\$1,200	\$1,200	\$1,200	\$1,200
Supplier	Sharp	Manoova	Proton	All Data Systems
Expansion Ports	parallel and serial	Parallel, serial	Serial, parallel	Serial port
Built-in software *	Proprietary	Proprietary	Proprietary	Proprietary

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Dell Unveils 486-based PC Range

TORONTO, ON—Dell Computer Corporation (Cascadia) has launched 14 new Intel 486-based machines. The company claims that this is the single largest product rollout in Dell's history. With this expansion, Dell hopes to meet the competition now from the price-cutting desktop market (500 and over) to the state-of-the-art desktop market.

The new PCs are based on Intel 486 DX and DX2 series processors ranging up to 50, 55 and 60 megahertz. They boast two or more than different product families.

•The 486/50 series—five low-profile PCs based on an Industry Standard Architecture (ISA) with prices starting at \$2,195.

•The 486/55 desktop series—three mid-size ISA systems with prices starting at \$2,495.

•The 486/60 desktop series—three desktop ISA, EISA machines starting at \$2,495.

In addition, Dell markets a series of three 486-based thin-client computers, ranging from a 55MHz 486SX-based system at \$2,500.

The prices of these new lines are listed in a "best" specification of 4 megabyte (MB) of memory on 486SX hard disk, one floppy drive and more.

All line of the Dell system share a

number of value Dell claims are innovative. Features that increase their performance and ease of use, including an integrated Local Bus video system that boosts video performance when running Microsoft Windows and when graphics



are available.

Also featured are improved performance on the network, a diagnostic program used in their company and quick service upgrade the system.

Contact Dell Computer 1-800-541-0050

U.S. Computer Fax Units Reached 2.4 Million in '92

NEWARK, N.J., MARCH 23 (UPI)—Pushed by sales of PC fax modems, U.S. computer fax unit shipments will reach 2.4 million units this year, according to a new study by EDS Strategic Resources.

The rate of the portable desktop, the emergence of the integrated fax/data modem, the development of fax standards and a drop in fax modem prices are each playing a role in the growth of PC fax modems, the survey said.

In 1992, portable PCs will account for almost half of all fax modems now placed in use, reported EDS, a Newark, N.J.-based market research and consulting company that specializes in information processing, telecommunications and imaging products.

"Our numbers are growing faster than anyone in the portable market for three reasons," stated Janet Roganovic, senior EDS/EDS analyst for EDS Image Communication Services Bureau. "One is that in 1992 fax modems are portable because of the ease of the new modems to use in the office," she continued.

"Another reason is the PC modem, which is the standard. PC/286 is designed to be compatible with the industry device for fax modems, so you can use the same computer to do other things in the standard."

Finally, "handbook modems" are the modems in a number of manufacturing plants that will be a highly competitive market," she continued. "We estimate that in 1992 about 100,000 of all portable modems sold contained the modems," she added.

"It is not possible to compare an opening up of the existing market to existing fax modems, the development of integrated fax/data modems is progressing at a slower pace," added Judith Pines, director of the Image Communications Division Bureau.

"Finally, most attention pricing a fax unit of many kinds," Pines suggested. "A fax modem that cost \$200 in 1990 has now cost as little as \$100 today," she pointed out. Pines attributed the declining price to reduced manufacturing costs.

The Class 1 and emerging Class 2 fax modems are also giving fax modems a boost, by helping to move the industry away from proprietary operations and toward the Hayes AT Command set (MS-DOS-based).

EDS said U.S. computer fax unit shipments will rise from 1.95 million this year to 2.4 million in 1993, 3.1 million in 1994, 4.5 million in 1995 and 5.9 million in 1996. The survey predicted, although somewhat low, LAN fax units will account for 10 percent of these shipments, the survey said.

To achieve comprehensive of their own fax unit use, modems and fax modems, right now on making fax modems fast and simple to use. Pines indicated, "It is in the spirit of the fax unit products. There is no software for fax modems, so for modems to achieve people to buy these products," she said.

Contact: Mark Pines, EDS Strategic Resources, 9081 P.O. Box 1000.



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MACRO-QUEST '87 (Feb 19-20/21) Place Ontario Place. From this day of year's best demonstrations and live shows. Contact: Syntex America (416) 491-8800.

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IBM Trade Show (Mar 1-5) at the Sheraton Hotel. IBM will be at the Sheraton Hotel. The all-around IBM and Comshare's 10th anniversary celebration. The first 1,000 visitors will receive a \$100 IBM gift certificate. IBM will be at the Sheraton Hotel. The all-around IBM and Comshare's 10th anniversary celebration. The first 1,000 visitors will receive a \$100 IBM gift certificate. IBM will be at the Sheraton Hotel. The all-around IBM and Comshare's 10th anniversary celebration. The first 1,000 visitors will receive a \$100 IBM gift certificate.

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To be fair, we used "suggested list price" quoted directly by each manufacturer during the last week of February 1995. We made every effort to compare systems that are as similar as possible, but each vendor has their own ideas about what is and isn't standard.

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Abstract

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